

Theodore R. Anderson U.S. Serial No. 10/648,878 CONFIGURABLE ARRAYS FOR STEER-ABLE ANTENNAS AND WIRELESS... Page 1 of 19

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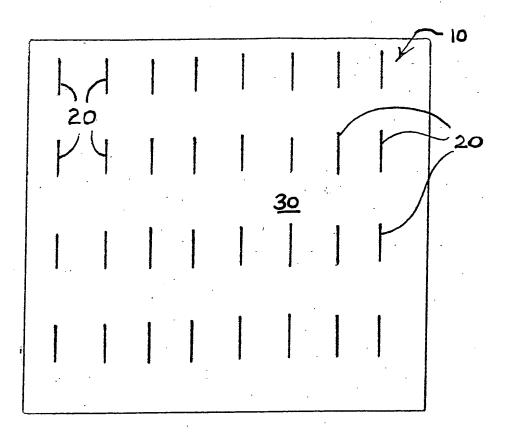
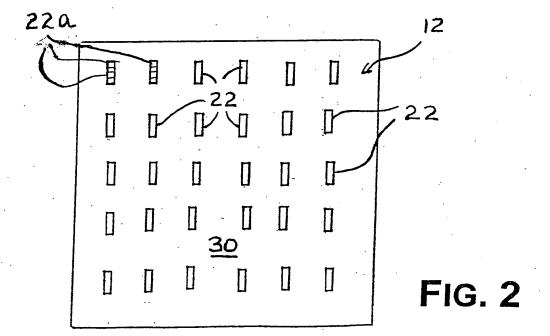


FIG.1A



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Scaling function vs. plasma frequency

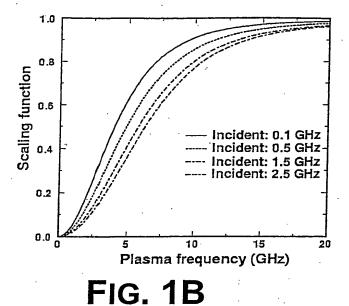
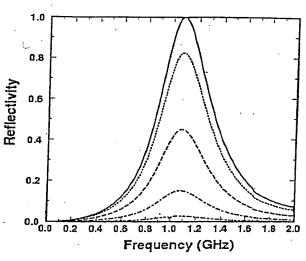
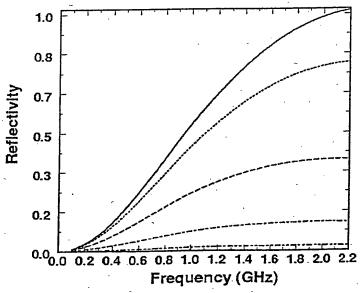


FIG. 1C

Reflectivity of plasma FSS



Reflectivity of plasma FSS window



Perfect conductor
Plasma freq = 10.0 GHz
Plasma freq = 5.0 GHz
Plasma freq = 2.5 GHz
Plasma freq = 1.0 GHz

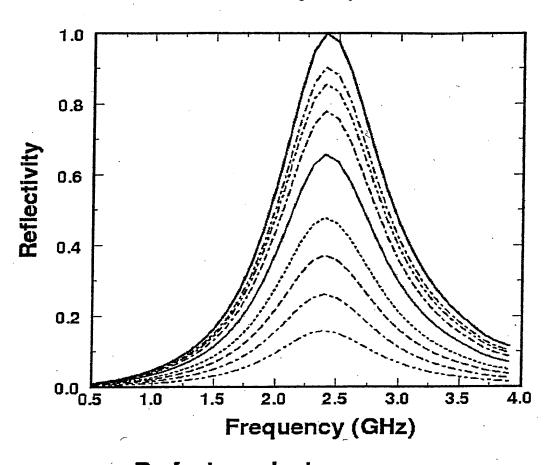
Perfect conductor
Plasma freq = 10.0 GHz
Plasma freq = 5.0 GHz
Plasma freq = 2.5 GHz

Plasma freq = 1.0 GHz

FIG. 1D

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Reflectivity of plasma FSS



——Perfect conductor ----14 GHz ----12 GHz ----10 GHz ----8 GHz ----5 GHz ----4 GHz ----4 GHz

FIG. 1E

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FIG. 4

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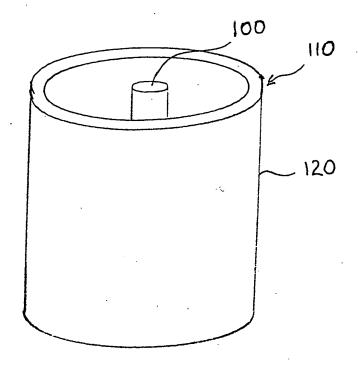


FIG. 5A

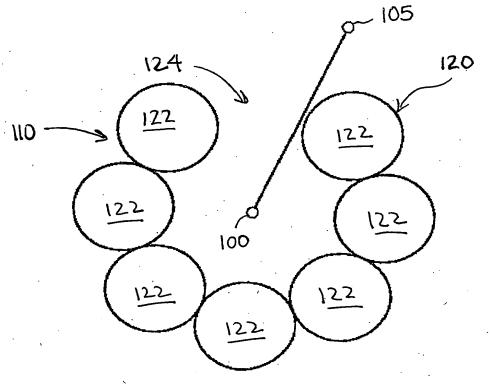
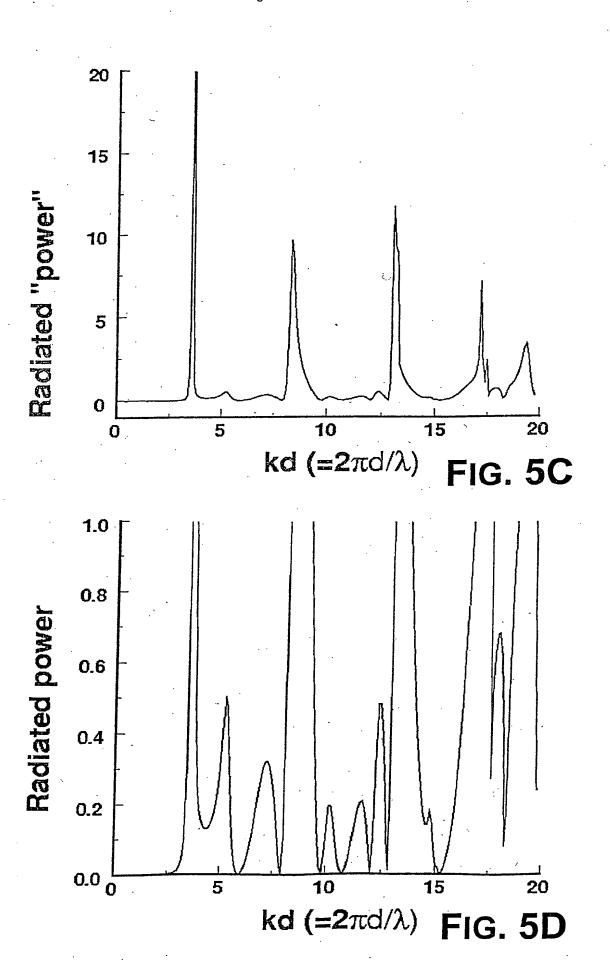
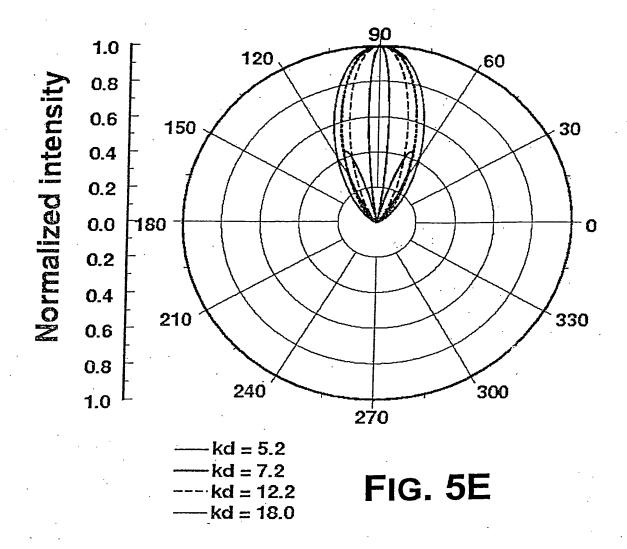


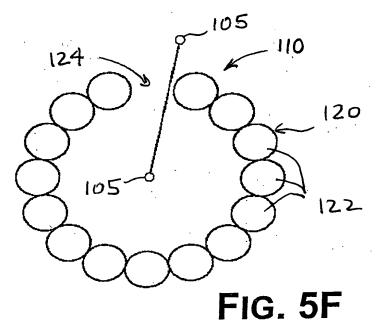
FIG. 5B

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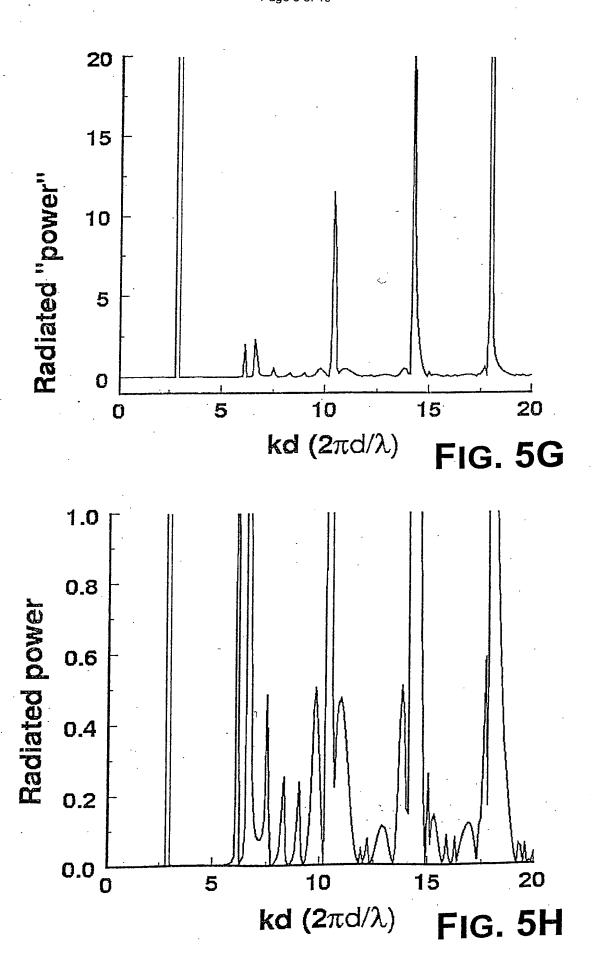


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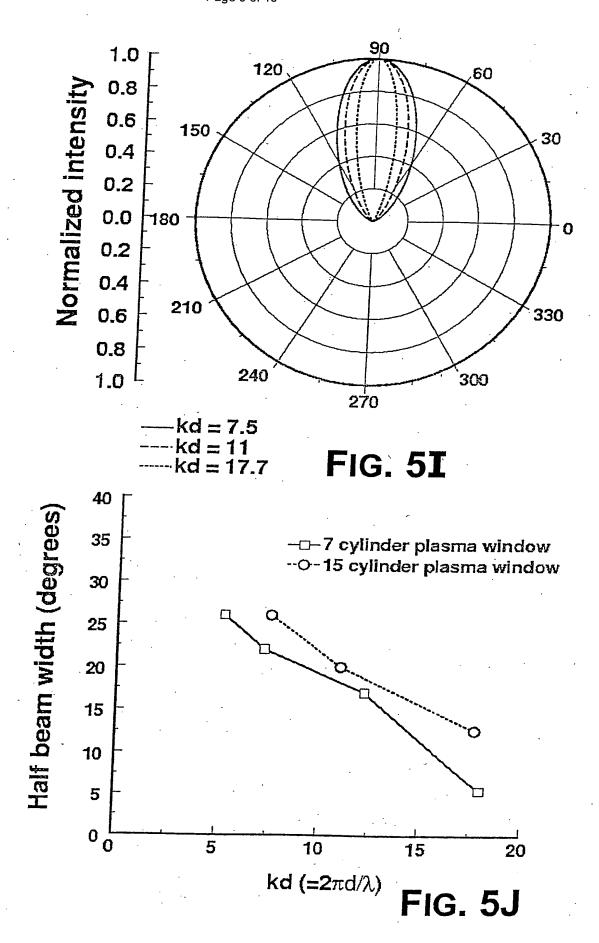




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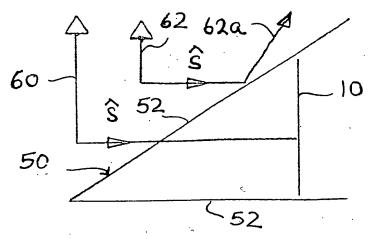


Fig. 6A

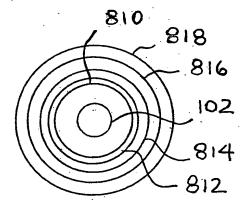
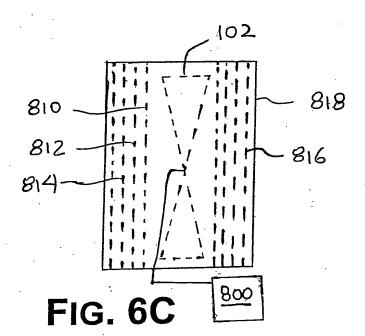


FIG. 6B



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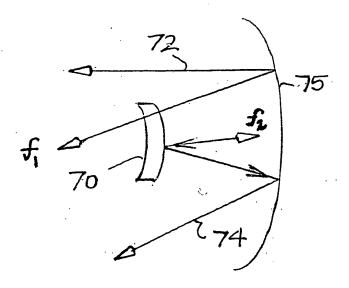


FIG. 7

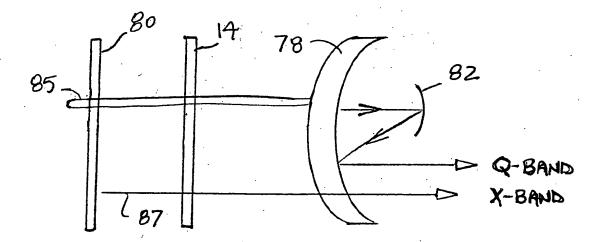


FIG. 8

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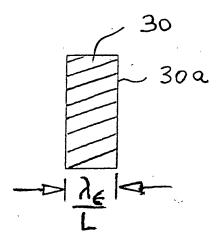
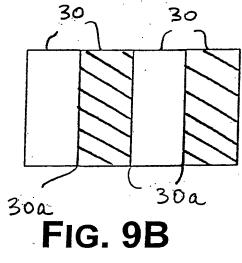


FIG. 9A



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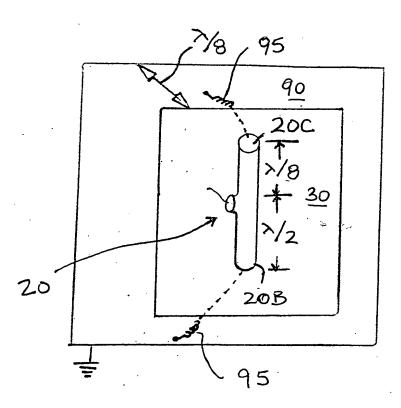


FIG. 10

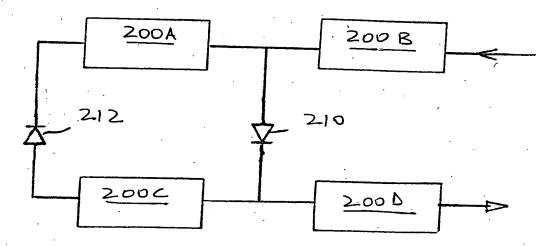


Fig. 11

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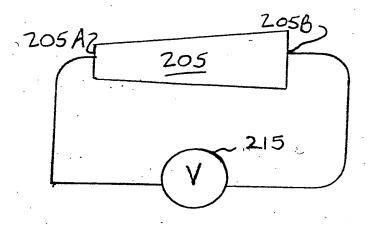


FIG. 12

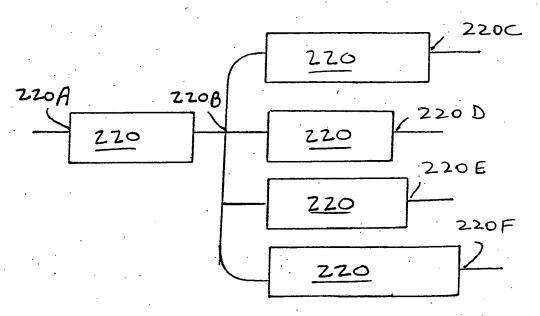


FIG. 13

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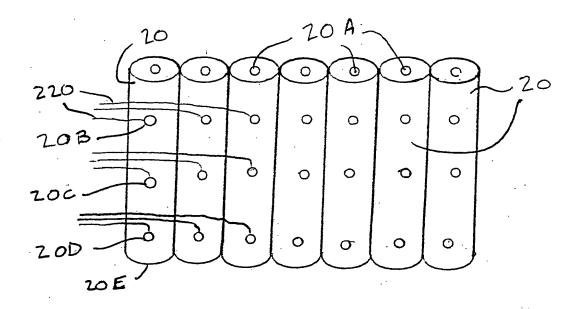


FIG. 14

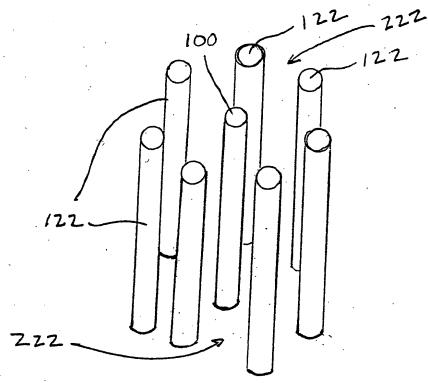


FIG. 15

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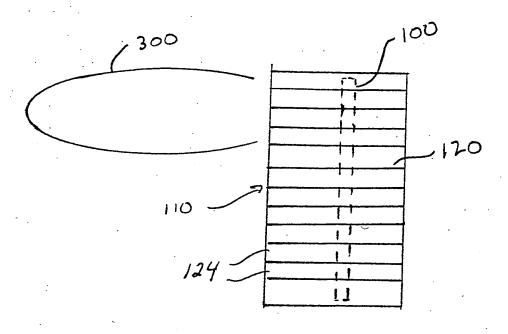
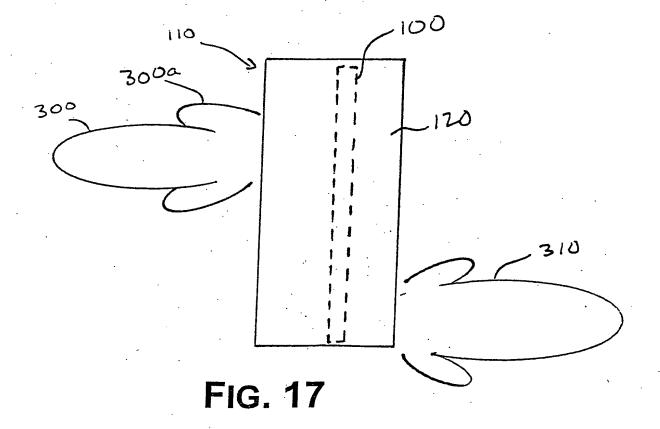


FIG. 16



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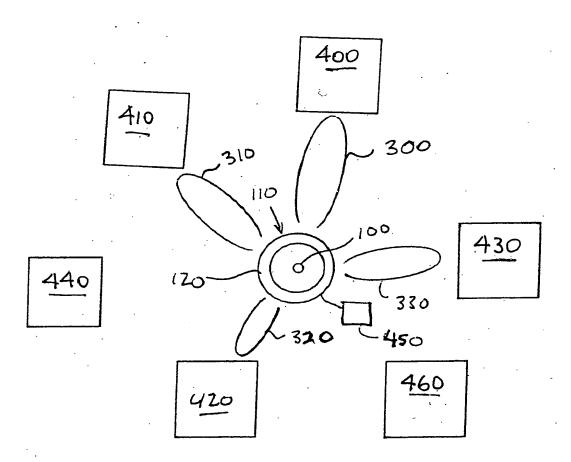


FIG. 18

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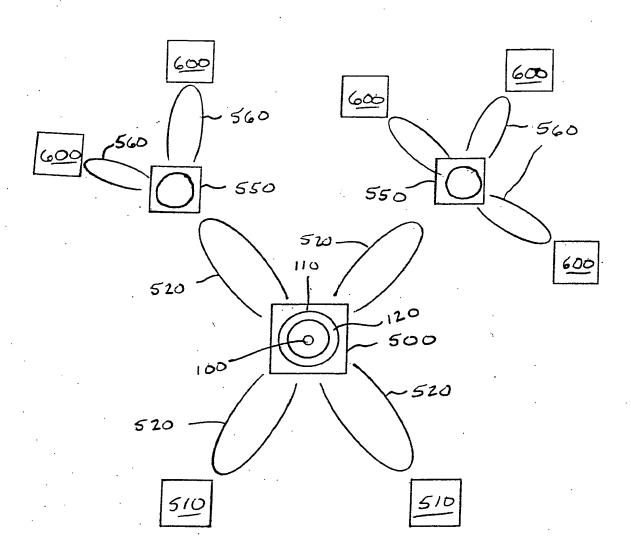
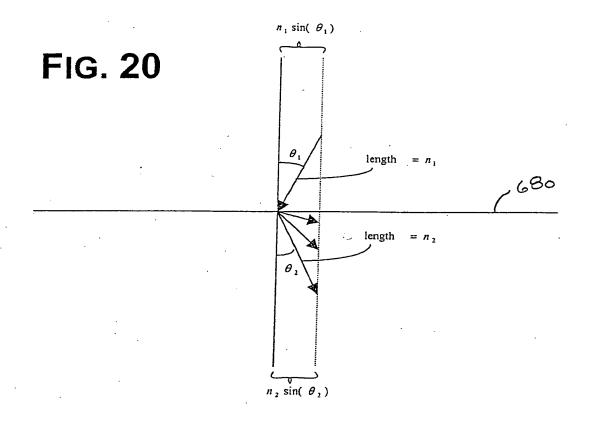
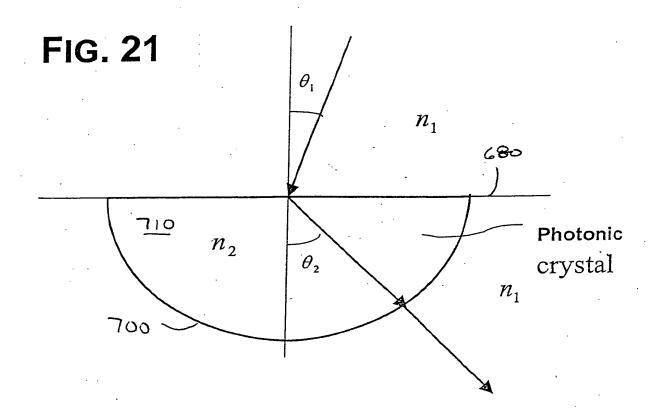


FIG. 19

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